

# **C** *Mt. Diablo Amateur Radio Club* **CARRIER**

**Volume XLII**

**W6CX**

**November 1995**

## **November Meeting**

\*\*\*

### **MDARC BBS System**

**Friday, November 17th**

**8:00 pm**

**Our Savior's Lutheran Church  
1035 Carol Lane  
Lafayette, CA**

For our November meeting, our guest speaker will describe the (LLBBS) Land-Line computer Bulletin Board System that MDARC will be using for Club information, file transfers, e-mail, etc. Dick Brown, KT6X, and Dick Schulze, AA6DL, have made arrangements for the Club to use a commercial bulletin board system for "free." Internet users will also be able to access an MDARC Home Page for Club information. For a small fee, Internet e-mail service will also be available to anyone with a PC or MAC and a modem.

This will be the last speaker for the year. In December the Club will have its annual Christmas dinner instead of a regular meeting.

## **From the President**

**by Larry Gansz, KB2GV**

Did you enjoy Pacificon? Wow, what a weekend! High praise, congratulations, and a terrific job well done to Dick Brown, KT6X, and all the people working on Pacificon! What did you learn,

like, dislike? How about writing about your experience. Did you bring a new ham or someone interested in amateur radio? What did they think or what would they have liked? Maybe someone can outline a little about the thousands of hours that goes into putting on Pacificon.

Time to vote! The Nominating Committee put a lot of time into creating this year's ballot. Please take time to vote; we have several good candidates. Two years ago we had only 58 ballots cast, 10% of the membership, ouch!

Our annual holiday dinner is just around the corner; make your reservations early.

As cooler weather and shorter days force some people to spend more time inside, we see increased activity on all our bands. Remember the proper courtesies and operating procedures of amateur radio. You may hear a lot of new calls; remember, encourage the proper way to do things and lend a helping hand or ear to new hams. Help them, and *lead by example*. Don't complain about what's happening if you're not willing to contribute to improving our hobby. Jim Wallace, WB6LQG, is completing another successful set of classes, Novice through Extra. Still looking to upgrade? Don't worry, the next classes start 6 February. Give it a try, bring a friend, or if you really want to learn, try teaching a course.

Again, a great job to those working Pacificon, well done to those on public service events, classes, and emergency response!

## **OUR HATS ARE OFF TO RICHARD BROWN KT6X**

**by Jay Caldis, KT6Y, Treasurer,  
Pacificon 95**

Dick Brown has done many things for the MDARC. He has been President, Vice President (twice), Director and many other committee heads.

For the first two Pacificons he was Treasurer. For the last two years he has been Chairman of Pacificon 94 and Pacificon 95. Dick is one of the most

## **What's Inside...**

Mark Niles, KO6RL, Obituary .....	2
RACES Callout .....	2
Walnut Creek SET .....	3
Call for the Question .....	4
Greg Pool says Thanks .....	4
Another RFI Case Solved! .....	4
DX Corner .....	5
General Meeting Minutes .....	6
Board Meeting Minutes .....	7
Vision Committee Minutes .....	7
Meeting Speaker Survey .....	8
Official Ballot .....	9
Membership Directory Update .....	10
Telephone Outage .....	11
Nets .....	12
From the Editor's Desk .....	12
Christmas Party .....	13
Annual Award Nominations .....	13
Mountain Challenge .....	13
Amateur Radio on the Web .....	13



## Mt. Diablo Amateur Radio Club W6CX

P.O. Box 23222  
Pleasant Hill, CA 94523

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and space is available.

All material must be submitted to the editor by the first of day of the month of publication. Material is accepted on a first-in, first-out basis. Articles and other material may be submitted via Internet email to jerry@isi.com (preferred), via packet to NJ6A-1 on 145.05 or NJ6A@KD4CVR.#NOCAL.USA.NA, or delivered to the editor at the address listed below. Material will be accepted in plain ASCII, Word for Windows, or WordPerfect format. Material may also be submitted as hardcopy.

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### Club Officers

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**Larry Gansz, KB2GV** (510) 376-4006

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**Richard Shappe, WA5HQJ** (510) 682-1644

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#### Emergency Coordinator

**Sam Lipson, KO6JR** (510) 229-5705

### Directors

**Tom Seabury, KC6SYG** (510) 837-4433

**Ray Gaschk, KD6BLS** (510) 933-3242

### Carrier Editor

**Jerry Gardner, NJ6A** (510) 735-7325  
2236 Tahiti Drive  
San Ramon, CA 94583

### Rocky Ridge Repeater Group

#### Chairman

**Jim Tittle, KC6SOE** (510) 432-3220

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competent Administrators I have had the honor of working with and for.

Many of us in the MDARC do not know all the behind the scenes work in putting on Pacificon. It just seems to come every year, is a big success and most members feel good that their club put on such a great event.

Dick works very hard calling members to get them to help, constantly watching all the department heads to see how their jobs are going, negotiating the contract with the hotel, digging up Forum speakers, working to get vendors, keeping a tight watch on the treasury, making sure nobody goes over budget.

I do not know if Dick will take on this job next year for Pacificon 96, but I for one hope he does, as I do not think anyone can do it better. I have worked with him for the first two Pacificons and for him for the last two.

As I am writing this Pacificon 95 is still two weeks off, but the way things are working out it will be another great event.

Thanks Dick for a job well done.

## MARK NILES, KO6RL, CANDIDATE FOR SECRETARY, IS DEAD AT AGE 44

**OAKLEY**— Mark R. Niles, KO6RL, died suddenly at his home here on Tuesday, October 24, apparently the victim of a cerebral hemorrhage.

Mark was a quiet and unassuming member of the Mt. Diablo Amateur Radio Club and was considered a natural leader. He was a candidate for Secretary of MDARC, and his name appears on the club ballot elsewhere in this edition of *the Carrier*. This is the first time in the club's 50 year history that a candidate for a club office has died prior to the elections.

The weekend before his death, Mark had actively participated in PACIFICON '95 as the coordinator of the talk-in frequency. He had also "worked" PACIFICON '94.

Only recently Niles turned in his KD6DMD callsign for the 2 by 2 of an Advanced Class operator. He passed his Advanced Class test on March 8. Niles was first licensed in 1991.

He was a civil engineer for 23 years with Santiana & Thompson, Inc. He and his family had moved from their Concord home of 8 years to Oakley in the past 4 months.

Niles is survived by his wife, Melody, and five daughters and a sister.

### Telephone Cable Cut

## RACES CALL OUT DRAWS 28 VOLUNTEERS TO HELP IN CONCORD

By PAUL W. GIRARD, KC6TZU

**CONCORD** — When a contractor working on the new Concord Police Administration building at Galindo and Laguna Streets accidentally drilled through a major telephone cable on October 9, telephone service to about 4,000 residences and businesses suddenly went dead.

The 3:30 p.m. accident scene was quickly located, and it wasn't long before Pacific Bell got a call from Chief Al Nielsen (WA6AGA) telling them that critical phone lines to Consolidated Fire Department's Station 10 were dead. Nielsen, chief of the fire department's communications area,

also realized that without phones, residents could not use the telephone to report fires or law enforcement related incidents.

One area of concern to both the Fire Department and Concord Police is an area of apartments in a corridor along Monument Blvd. The area logs at least one serious law enforcement incident a night, and fire department responses to the area are considered "routine."

Nielsen activated RACES (Radio Amateur Civil Emergency Service) with a call to Sam Lipson, KO6JR, the MDARC emergency coordinator. He in turn called Jim Brunk, N6BHX who had Dick Brown, KT6X and Jay Caldis, KT6X begin patrolling two of the key locations to be of communications assistance to residents.

In the meantime, Brunk began a telephone call-out of RACES trained volunteers to work in pairs. The task was time consuming and it appeared that if the telephone service interruption was going to continue for a long period, a shift change and a schedule of relief would be necessary.

Brunk dispatched Paul Girard, KC6TZU with a motorhome to the Pacific Telephone command post on Cloverdale to coordinate areas requiring patrol and to relieve units as telephone service was restored.

As volunteers for the jobs available began to diminish, it was believed prudent to ask the Sheriff's Uniformed Amateur Radio Communications team to be called out. Lt. Clay Yale, N6YBQ, and Sgt. Steve Donovan, WB6SAI responded to the incident and began a call-out of members of their team to backfill for the RACES group. Still it was felt enough volunteers might not be available. At that point Chief Nielsen, after conferring with Girard and Brunk, decided to authorize activation of Orinda Fire Department's ComVan 45 and its personnel by paging them through the ConFire Dispatch Center.

That activation had only limited success because a repeater the team uses was off for the night and a change in standard operating procedures caused some confusion about the response. "Nevertheless it was a good test of the

activation procedures," said Bob Williams, N6UTX, the ComVan 45 team leader.

The Concord Police Department, at about midnight, notified the volunteers that they would be able to shut down their operation at 2 a.m. October 10.

Two incidents occurred during the callout. The first was a three-alarm fire that broke out on Laguna Street, not far from where the telephone cable was severed. A call to the fire department using the MDARC autopatch was started when WA6AGA reported the fire department had been dispatched. The second incident involved a crowd gathering at a Monument location.

ARES and RACES call-outs have been a rarity in Contra Costa county the past two or three years, but the Concord incident is indicative of the reason qualified and trained volunteers are a necessity. It should be noted that only registered disaster workers are activated and only those with up-to-date communications skills. It's just another good rea-

## Walnut Creek SET

by Jeff Straus, KE6QYM

On Thursday October 26, 1995 the City of Walnut Creek held their annual SET (Simulated Emergency Test). The scenario was that an earthquake had occurred some eight hours earlier.

This exercise involved a number of city staff who were dispersed at several locations. The primary EOC (Emergency Operations Center) site was at the Walnut Creek Police Range located behind the Boundary Oak Golf Course. A secondary site was located at a church parking lot at the corner of Walnut Boulevard and Eckley Lane some miles away.

The main communications facility was the Police Department's 'Orca' van (it looks like a whale) parked at the Range. Five members of the R.A.C.E.S. group participated in the activity. Two were assigned space in the rear of Orca, two participated from remote sites, and one monitored the entire event.

Thanks to Terry W6HPC and Jeff

KE6QYM, who worked at Orca; Joe WA6DQN and Jean N6LGE who worked at remote sites; and Richard WA5HQJ who monitored from home.

If became evident that improvement was needed in two areas. 1) newer members of R.A.C.E.S. (this writer for example) need more training in message handling, and 2) the City of Walnut Creek needs to better integrate the R.A.C.E.S. capabilities into their overall plan.

There was a critique/debriefing held at the end and all relevant issues were discussed.

The exercise was judged to be a success with all rough edges marked for improvement the next time.

## CALL FOR THE QUESTION....

by Dick Schulze, AA6DL

This is the often heard demand in the middle of a discussion on a motion. The motive of the person making the call is not always clear, possibly boredom with the discussion, possibly not liking the direction that the discussion is going, or perhaps just wanting to go home.

Whenever this request has been made at our meetings the chair has felt an obligation to submit the matter at hand immediately for a vote. Often we hear that once the call for the question is made there can be no more debate and we must vote on the main motion immediately.

This is not the case. A call for the question (or move the previous question) is only a motion to end discussion and must pass by a 2/3 vote. If it passes debate must cease and the chair must call for a vote on the main motion. If it fails then there may be further debate. By its very nature it is disruptive as it technically requires an immediate vote solely on the issue of ending debate.

The last thing I want to see is our organization become a slave to Robert's Rules and I would be loath to start quoting them at a meeting. It can be the downfall of a meeting.

So often, however, we see an infor-



mative and helpful debate prematurely terminated by this overused and misunderstood motion. We should let our members give their thoughts and ideas. We could well benefit by them. How often have we been moving in apparent unison in the wrong direction until one person raises a question that causes us all to stop and reconsider? Letting everyone speak who wishes to do so does not mean we must have repetitious and time consuming dialogue. The chair can and should control that problem. We elect the president of MDARC and the chair of RRRG and we should have confidence in them to direct the debate. It is their job to sense when discussion should end and a vote be taken.

On the issue of time consuming debate much of this is eliminated by having matters carefully reviewed by the board of directors or steering committee before the meeting so that many questions can be covered as part of the presentation to the membership.

We can feel much more confident in the correctness of our decision when we have heard the chair ask if there *is any more discussion?* than when we hear someone shout *call for the question!* Are we not better off risking a moment of boredom or repetition than having a bitter member who was not allowed to speak?

## GREG POOL SAYS THANKS TO PACIFICON TEAM

(The following was edited from an E-Mail message sent to KT6X. As you will be able to tell from the following, Greg is a special person who added significantly to the success of PACIFICON 95. KT6X))

I want to say thanks to all that were involved in making the two presentations at the Pacificon this year one of the most novel I have been involved with. To review for those who could not attend, Steve Bible and I gave two talks concerning the Amateur Radio resources on the Internet's World Wide Web (both are on tape from the Mount Diablo

Amateur Radio Club).

Saturday's talk was based our article in the June issue of QST magazine, and Sunday's was on the July article. I gave my end of the talk from Concord CA at the ARRL Pacific Division Convention, and Steve gave his talk from the ARRL Headquarters in Newington CT. We were linked via the Internet using Internet Phone (<http://www.vocaltec.com>), and the audience of 250+ in Concord was able to hear both of us during the entire presentation. Steve and I traded back and forth during the talk as if he were right there in the room. Our only glitch was the inclement weather on Saturday, which knocked out power and forced Jon Bloom and Steve to turn on the generator at the WIAW station in order to finish.

For me, the best moment was being in the demo room afterwards, where Dick Brown had set aside a day-long, hands-on demonstration of the Internet. The fellow he recruited there was from a computer store in nearby Walnut Creek and quickly realized I was a resource. He wouldn't let me leave sometimes, and a pretty good crowd assembled throughout the day as a result of the spill-over from other Internet-related talks.

Invariably, as it does anywhere else, the topic would lead to the worst aspects of the Internet. During the demo I had someone ask about pornography and I was able to capture the crowd with my "good lesson plans" argument. In short, a student can access pornographic material in my classroom any time by bringing a magazine; I don't search them at the door. But I'm a good teacher, and I have great lesson plans that never would give them the time to open that magazine. It should be no different while online, so where's the problem? Sounds like another perfect opportunity to learn about better aspects of life, whether on or offline.

At the same time there was a woman with her son watching on the side and I kept using them as examples of parental responsibility. I tried to emphasize how the Internet is merely an extension of our own society and she makes those ethical choices everyday for her son that make them better people, so again,

where's the problem?

"In fact," and I knew I had really got their attention at this point, because the crowd was rather large, "there is so much more to life offline than all that smut - it's the same online!"

And I turned, with perfect timing and flare that only comes with having been in the classroom, to the young boy (6 or 7?) and asked, "Have you ever been to the Hawaii Volcanoes National Park?" It was that teachable moment professional educators all live for, I just can't express to you the entire feeling I had afterwards. His face lit up, I pulled up a chair and we surfed the park where I once worked while in Hawaii, forgetting all the adults in the room and their more political concerns. After 5-10 minutes we ended up at a site in New Zealand that has a VolcanoCam taking pictures every five minutes of Mt. Ruhapehu, which has been erupting for the last month. I had never been there, and all of a sudden I was seven years old, too.

I have never felt so wonderful about what I do for a living. It has brought me to tears several times just thinking about how that young boy's life will change because his mom and dad took him to Pacificon back towards the end of the 20th century. Thank you all for allowing me to be a part of his trip.

Aloha+73 de Greg WH6DT

## Another RFI Case Solved! (Chapter II)

by JC Smith, KC6EIJ

I have written previously (September 1995 *Carrier*) about the RFI problem I located with the aid of a little battery powered "transistor" radio (AM broadcast band). Well, about six months after solving that one another one showed up. This one was even more puzzling, and even louder. We finally eliminated it yesterday, so here is the story.

The problem was on all the HF bands, all frequencies, the same frying sound as the previous case. There was no real pattern to it except that it always went away when it rained and remained off until things dried out thoroughly. Some



times it was on 24 hours a day, other times it would tend toward the afternoon and evening, giving me a little relief from sometime early morning (1-3AM) through noon. Hot or cold WX didn't seem to matter, and there were a few days it didn't come on at all that didn't fit the wet/dry pattern.

First, of course, I eliminated my own property as a possible source by powering up the rig by battery and shutting off the AC mains at the drop. Then using my old TH-3 tribander I was able to get the general direction from the house. This one was not as easy to point to as the previous one, probably because it was closer to home and the noise was being transmitted along the power lines down the street. Still, there was one null (only one this time, the other side of the beam didn't null out) and enough front to back difference to point in one general direction. I went out numerous times with the \*"transistor beam" and although I could pick up the noise all along the street, and at every pole that had a ground wire coming down, it seemed to peak near one intersection about two blocks away. There were three poles at that intersection, and although one was slightly more suspect than the others (it was a little louder one time) it was hard to say which one was the culprit.

I contacted the utility company and advised them I had another problem. Having been through this once before, I was able to bypass all the administrative front end and go right to the guy in charge if fixing it. If I had located the exact pole, I could have gotten quick service. However, since there were a number of suspects they wanted to get their "locator" out there to pin it down. That took a long time; in fact it never happened. In my service area at least this guy has to be booked months in advance, and the two times he was supposed to come out here the noise was not present so I called and cancelled (this was much appreciated by the utility, and I think created some good will that helped get a repair crew out in spite of not knowing the exact location of the problem). Finally, they agreed to send out a crew to see what could be done without the specific pole being located.

The crew was supposed to contact me prior to coming to confirm that the noise was present and to get my opinion on where it was coming from. Unfortunately, they didn't do that and when they got out to the location there was no noise. They proceeded to work over two poles in the area that "looked suspect" but only one of those was on my suspect list, and it turned out not to be the one. After a few more phone calls (polite persistence paid off here) it was agreed that they would phone before coming, and they would stop by to speak with me prior to starting any work. Yesterday that finally happened and I rode over to the intersection to find a bucket truck setting up on another pole, but not one of my prime suspects. I had my \*"transistor beam" with me and I pointed out the three poles I suspected as well as the one that one time seemed the worst. There were a few others in the vicinity that were equally as loud that day, but based on my numerous observations they agreed to concentrate on my suspects.

I went back home and turned on the rig to monitor the QRN. In a matter of an hour it stopped. Problem found. It was in fact on my #1 suspect pole. One of the staples used to secure the bonding wire (the heavy, bare, solid copper ground wire) to the post had been driven too tight, and in time the wire broke under the staple crown. This created a spark gap. Apparently when the pole got wet it was sufficient to conduct the current around the break, but when things dried out the sparks would fly.

So, what did I learn this time? Again, the value of the little "transistor" radio as a noise locator, the value of polite persistence in dealing with the understaffed troubleshooters of a public utility (You can thank the PUC of the Peoples Republic of California for that.), and that it pays to be considerate of the utility companies time. If I hadn't called and cancelled my appointments, saving the "locator" a wasted trip, I might still be waiting for him to find the exact pole. Communicating directly with the crew doing the work also proved valuable. They probably would have found the problem their first trip if they had stopped to ask for my advise. I also

learned the value of making numerous observations. It was only on one out of many trips to the noisy intersection that the bad pole was any louder than the others. Don't forget to also go check the suspect problem locations when the noise is NOT present on your rig. You want to be sure the noise is quiet there too. You can go out to almost any utility pole with a ground wire and find some noise any time, but it won't often be severe enough to cause QRN on your rig.

If you are having a noise problem, I wish you good luck in solving it. When you do (or if you already have some "solved cases" under your belt), why not write it up and share it so we all can learn from it?

\* "transistor beam" - A typical battery powered AM broadcast receiver (transistor radio) was a wire wound ferrite core antenna. These little antennas are quite directional. The gain direction is usually off the front and back of the radio, with sharp nulls off the sides. The nulls usually prove more valuable than the peaks in this type of direction finding. Try it out on a known signal source like a distant broadcast station of known transmitter location.

## DX Corner

by Jerry Gardner, NJ6A

This is the first of what I hope to be a series of articles devoted to DXing on the HF bands with modest antennas and low power. It is aimed at the casual DXer who desires to improve his country total yet lacks knowledge of the proper techniques and tricks of the trade. The primary emphasis will be on CW operation.

Why CW? There are several reasons to favor CW over SSB for DXing with modest antennas and low power. CW is more efficient than SSB; at low power levels this can make quite a difference. There is less competition for DX on the CW bands, and there seems to be proportionally fewer operators who know the techniques and tricks that make a difference.

Let's start with basic equipment and operating procedures. To maximize your ability to copy weak signals, you *must* use headphones. A good pair of head-

phones serves to block distracting ambient noise and helps you hear signals barely above your receiver's noise floor. I use communications headphones that roll off frequencies below 300 Hz and above 3000 Hz. Headphones intended for listening to music tend to reproduce higher frequencies and can cause operator fatigue.

Every serious CW DXer should have a set of narrow CW filters. It's difficult enough trying to copy weak DX without also having to listen to dozens of other stations calling him close to his frequency. I recommend you get at least a 500 Hz filter, and a 250 Hz filter, if you can afford one. DSP audio filters can also help a great deal, but I can't make specific recommendations since I've never used one.

One of the most vital skills you must master is the ability to precisely place your transmitter on a desired frequency. If you're 400 Hz off frequency and the DX station is listening with a 250 Hz filter, he won't hear you. If he doesn't hear you, you won't work him no matter how good your signal. We call the process of precisely placing your transmit frequency "zero-beating". Zero-beating a modern transceiver isn't difficult, but does take practice.

Some transceivers, such as the Yaesu FT-990 have a spotting button, while most do not. If you're lucky enough to have a spotting button on your transceiver, proceed as follows. Press the spot button to turn on your rig's sidetone and tune with the main tuning knob until the audio frequency of the sidetone exactly matches the audio frequency of the other station. You're now tuned to within several Hz of the other station.

If your transceiver doesn't have a spotting feature, there is almost always a way to turn the sidetone on without actually transmitting. You can do this on most

rigs by turning off VOX and keying the rig. Once you succeed in turning your sidetone on, proceed as described above.

Many newer transceivers have RIT and XIT controls. Turn off both of these controls before zero-beating a station. Never use the RIT control to zero-beat; always use the main tuning knob.

I'll wrap up this installment with a brief discussion of sidetone frequency. Some rigs have an adjustable sidetone frequency. If yours does, I suggest you set it to a low note, such as 400 Hz. Lower frequencies are less tiring than higher frequencies, and zero-beating accuracy is better. The last point deserves further explanation. Assume your sidetone frequency is 1000 Hz. A 50 Hz deviation from 1000 Hz is a difference of 5%. If your sidetone frequency is 400 Hz, the same 50 Hz deviation is a difference of 12%. It's much easier to distinguish a 12% difference in tones than a 5% difference.

Next month: The art of listening.

## MINUTES GENERAL MEETING

October 13, 1995

President Larry Gansz, KG2GV, called the meeting to order at 8:00 PM. Visitors were introduced and upgrades announced. The minutes of the general meetings of August and September were approved.

John Stuart, KM6QX, reported on public service events and also on the status of the trailer. He stated that consideration is being given to turning it over to Consolidated Fire reserving the right of use by MDARC.

President Larry read a note of thanks from Rob Syms, KO6ZL, expressing his appreciation for the MDARC scholarship.

Sam Lipson, KO6JR, Emergency Coordinator, reported on a RACES call out on October 11<sup>th</sup> when a major telephone cable was severed in Concord leaving much of the city without emer-

gency telephone communications. A number of hams spent several hours supplying communications. Sam also announced the November 4<sup>th</sup> ARES/RACES training session at the Martinez City Hall, 525 Henrietta Street, Martinez.

George Roush, WB6OFH, gave details of the annual Christmas party on December 13<sup>th</sup> at Zio Fraedo's restaurant.

Education chair, Jim Wallace, WB6LQG, reported on status of the classes and that they would conclude on November 18<sup>th</sup> with exams in all classes.

Membership chair, Dick Schulze, AA6DL, reported we have 642 members of which 172 are family members.

Carrier editor, Jerry Gardner, NJ6A, stated

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100W 6 Meters  
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200W HF Transceiver • 101 memories  
DSP built-in • Digital noise reduction  
Digital automatic notch • Digital LPF and HPF  
QSK, Digital CW filter • Built-in AC supply  
Twin PBT • Dual watch  
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This dealer has not yet responded to the National Communications Commission. This dealer is not yet licensed to sell in the U.S. or in any other country and the shipment of this radio is not guaranteed.

that articles can be submitted to him in various forms: 1) by packet NJ6A @ KD4CVR, 2) NJ6A-1 on 145.05, or, preferred, by email to jerry@isi.com. One can submit material in disk, preferably IBM format but he can read Mac disks. He will also accept hand written articles.

Treasurer Rod Raines, KE6QYK, posted copies of his report showing amounts of income and expenses to date. Cash on hand is \$16,311.

Paul Girard, KC6TZU, reported on behalf of the nominating committee detailing some of the selection process including review of potential candidates and letters to the same. The committee presented the following for the office indicated: President, Larry Gansz, KB2GV, Lyle Van Norman, KB6DOW; Vice president, Ignacio Huerta, AC6NY; Secretary, Bruce Croskey, AH0U, Mark Niles, KO6RL; Treasurer, Rod Raines, KE6QYK, Greg Estep, KE6VTA; Emergency Coordinator, Sam Lipson, KO6JR; Director, Ron Luttringer, K6XC, Ron Pawelchak, WD6DSU. There were no nominations from the floor and the nominations were closed.

PACIFICON '95 Chair, Dick Brown, KT6X, then presented a program on the convention set for the following week-end consisting of a video of prior convention and reports by the various committee heads.

This was followed by the usual attendance bribes and adjournment at 9:45.

Respectfully submitted,

Dick Schulze, AA6DL, acting secretary

## MINUTES BOARD MEETING

October 13, 1995

The meeting was called to order at 7:40PM by president Larry Gansz, KB2GV. Board members present were Larry Gansz, KB2GV, John Stuart, KM6QX, and Rod Raines, KE6QYK. Also present were Paul Girard, KC6TZU, George Roush, WB6OFH and Dick Schulze, AA6DL.

Moving right into matters in order of

importance the board thoroughly reviewed, discussed, debated, and analyzed the price charged for cokes at our general meetings and decided to leave it at \$0.50. This was followed by a report on the plans for the Christmas party by George Roush.

Moving up the scale of excitement the minutes of the last meeting were reviewed and corrected to read that the budget would be considered at the November board meeting not the general meeting and that Paul Girard had reported at the last board meeting not as chairman of the nominating committee as stated in the minutes but only as a mere member thereof. Then with hearts pounding with excitement the board moved on to the treasurer's report.

Rod Raines handed out copies of income and expense statements, stated that there was \$16074.79 in savings and CDs and \$1415.82 in checking. The board discussed the format for the budget session at the next meeting particularly the problem of keeping books on a cash basis but having a large portion of the dues for the year being paid in the prior year. This results in a budget being prepared on a part cash and part accrual basis. No conclusion was reached. Rod will prepare a pro forma for the budget discussions at the next meeting.

Membership chair, Dick Schulze, reported that we now have 647 members. Also, instead of running off on his own as he usually does, he asked the board to decide when he should accept \$15 membership applications which would be valid for balance of this year and all of next year. The board decided as of PACIFICON '95.

Next the trailer chairman, John Stuart, with his usual calm and suave demeanor, casually suggested that the club give the trailer to Con. Fire to be operated by the Com Van 45 group. Paul Girard suggested we sell it. The board knew this was a hot potato and moved right on.

John said the program for the next meeting would be about our bulletin board with internet access.

There was a lull in the meeting so Paul Girard suggested that we should take steps to protect our club logo by

trademark registration, copyright or the like. There was a weak discussion about the value of the logo while most of us were trying to visualize just what our logo looked like. After a few minutes of blank and uninformative expressions president Larry moved the board to the issue of annual awards.

The board decided to select the recipients. [Tune in next month when the board tries to remember the rules for each award, i. e. Ham of the Year, Kilroy and W6CX]

Paul Girard then reported on behalf of the Visions Committee. His report was that there are three future meetings scheduled. At least the Visions committee is looking ahead.

Precisely two hours after it began the meeting folded at 9:40.

Respectfully submitted,

Dick Schulze, AA6DL, acting secretary.

## Minutes of the MDARC Planning and Visions Committee

October 13, 1995

Attendees: Larry Gansz, KB2GV 356-2411 MDARC president (present just for kick-off), Vicki Zumwalt, N6KLS 458-4527 (sisvmz@ncal.kaiperm.org) Committee chairperson and past MDARC president, Rodney Raines, KE6QYK 689-1634 MDARC treasurer, Ignacio Huerta, AC6NY 833-0921 (ignacio@ix.netcom.com) Secretary (for first meeting), Ed Ritchie, K6SFD 837-3265, Greg Este, KE6UTA 551-8369, Ron Wallace, KE6WKH 820-6656, Robert MacIntyre, SWL 825-9604, Pattie MacIntyre, SWL 825-9604, Ray Gaschk, KT6BLS 933-3242, Jack Beck, KE6TIP, 625-9834, Paul Girard, KC6TZU, 689-2346, Jane Walker, N6NVA 458-3164, J.C. Smith, KE6EIJ 947-0540, Stan Christian, WU6P, 672-03301.

1. Committee addressed by MDARC President Larry Gansz at 7PM at the MDARC club meeting place (Lutheran Church). Requested members of committee to define MDARC long term goals and objectives. Named Vicki



(N6KLS) as committee chairperson. Larry then bravely left the meeting in our hands.

2. Vicki called the meeting to order at 7:15PM.

3. It was agreed that a quiet room was necessary for the committee meetings and that it was not possible to have meetings in the great hall just before the regular club meeting due to excessive noise.

4. It was also agreed that the next meetings would be held on: Friday, Oct.

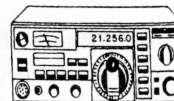
27, at 7:30PM at the Bank of America building across from Emil Villas and next to Bakers Square, Friday, Nov. 3, Friday, Nov. 10

5. Rod volunteered to obtain copies of the club by-laws. They will be left at the Pacificon pick-up area for all committee members.

6. Ignacio (myself) handed out some copies of overhead slides he prepared which stated some of the issues (and past history) which might be discussed along with some ideas for addressing them.

7. Vicki requested that all attendees think about the club vision and goals for the next meeting (to be held in two weeks).

8. Meeting was closed at 7:45PM.



## Review and Survey of 1994 & 1995 MDARC Meeting Speakers

by John Stuart, KM6QX

One of the duties I have enjoyed for the past two years as your MDARC Vice President is arranging for the speakers at our monthly meetings. Every time I first contacted potential speakers, they were always impressed that we had an amateur radio club with over 600 members and would like them to speak at one of our meetings.

As a trip down memory lane, and as a guide to our new Vice President, I would like to get some feedback on the subject matter and presentation quality of the speakers we had during 1994 and 1995.

Please take a few minutes to fill out this survey and turn it in at the November meeting (not in the ballot box) or mail it to the Club P.O. Box.

Mtg.	Speaker's Topic	Grades:	A - F	Similar Topics in Future? Y/N
		Topic	Presentation	
1/94	APRS (Automatic Packet Reporting System)			
2/94	Identifying and Locating Power Line RFI			
4/94	Marconi Radio Stations on Pt. Reyes with field trip.			
5/94	Packet Networks, the East Bay LAN and HF Gateways			
6/94	AMSAT (Amateur Satellites)			
7/94	World War II Communications Equipment and 1945 Jeep			
8/94	Contra Costa County "911" System			
11/94	Making of Large Telescope Mirrors and Hubble Repair Optics			
1/95	MDARC Videos			
2/95	Mt. Diablo Interpretive Association, geology, wildlife, trails, etc.			
4/95	Radio Controlled Model Airplanes			
5/95	US Coast Guard Radio Communications, Search and Rescue, etc.			
6/95	Do-it-yourself Seismographs			
7/95	Contra Costa County Emergency Warning System			
8/95	Caltrans Traffic Monitoring Television System			
11/95	Land Line Computer Bulletin Board w/ Internet Page			

**Official Ballot**  
**Mt. Diablo Amateur Radio Club**

This is the official ballot of the Mt. Diablo Amateur Radio Club for the 1996 Calendar Year. **No other ballot will be issued under any circumstances.** Duplicates, photo-copies or other types of copy are void. This ballot may be mailed to:

**Nominating Committee, MDARC**  
**P.O. Box 23222**  
**PLEASANT HILL, CA 94532**

Mailed Ballots must be sealed and *postage paid* by the sender. Ballots must be mailed to arrive not later than 5 p.m. November 17, 1995 at the addresss shown. Ballots received after that date are null and void. Ballots may be cast in person at the General Membership Meeting of the Club held at Our Savior's Lutheran Church, 1355 Carol Lane, Lafayette, California beginning at 8 p.m. November 17. All ballots must be deposited not later than 8:15 p.m. Mailed ballots will be opened in the presence of the Nominating Committee.

Ballots must contain an "X" in the box provided for the person for whom you are voting. Any other mark will render the ballot invalid in all cases for all offices *unless the mark is for a write-in candidate*.

Write-in candidates first and last names are required. The name of the candidate must be **printed**. The eligibility of the write-in candidates will be verified following the election by the Nominating Committee. No ineligible candidate may be declared a winner.

<b>FOR PRESIDENT</b>	Larry Gansz, KB2GV	
(Vote for one)	Lyle VanNorman, KB6DOW	
<b>FOR VICE PRESIDENT</b>	Ignacio Huerta, AC6NY	
(Vote for one)		
<b>FOR SECRETARY</b>	Bruce Crosky, AH0U	
(Vote for one)	Mark Niles, KO6RL	
<b>FOR TREASURER</b>	Greg Estep, KE6TVA	
(Vote for one)	Rodney Raines, Jr., KE6QYK	
<b>FOR EMERGENCY SERVICES COORDINATOR</b>	Sam Lipson, KO6JR	
(Vote for one)		
<b>FOR DIRECTOR - 1 Year</b>	Paul Dickey, N6JOX	
(Vote for one)	Ron Luttringer, K6XC	
	Ron Pawelchak, WD6DSU	

## MEMBERSHIP DIRECTORY UPDATE

by Dick Schulze, AA6DL

MDARC is pleased to welcome the following new members:

ARTHUR, Charles, KE6GKM, Technician  
2504 Dewlap Ct., Antioch, CA 94509  
(510)-706-2625(h)

BURKE, Jeff, KE6YAW, Technician  
5046 Bonwell Dr., Concord, CA 94521  
(510)-687-3941(h)

GERSTNER, Cliff, WB6KYL, General  
163 Via La Cumbre, Greenbrae, CA 94904  
(415)-461-1379(h,w,fx)

GRANT, Dr. Charles W., KE6CIL, Technician  
P. O. Box 2551, Livermore, CA 94551  
(510)-449-1500(h)

HALL, Trevor E., WA6JAU, Advanced  
3325 Downing Pl., Concord, CA 94518  
(510)-680-5209(h), (510)-779-7758

HECKLE, John, KE6VSA, Technician  
673 Sky Hy Circle, Lafayette, CA 94549  
(510)-784-5640(w)

HECKLE, Michelle D., KE6VSB, Technician  
673 Sky Hy Circle, Lafayette, CA 94549

HOPPRICH, John, KD6PAH, Technician  
204 Middlefield Road, Palo Alto, CA 94301

HOWES, Paul, WA6GYG, General  
3228 Sugarberry Lane, Walnut Creek, CA 94598  
(510)-934-6619(h), (510)-204-4567(w)  
(510)-204-4177(fx)

JAMES, Elizabeth, KA6NZK, General  
8118 Arroyo Vista, Sacramento, CA 95823  
(916)-682-8335(h)

JAMES, Milton M., KK6EW, Advanced  
8118 Arroyo Vista, Sacramento, CA 95823  
(916)-682-8335(h)

JANKE, Alex, KE6OFE, Technician  
1449 Maria Avenue, Concord, CA 94518  
(510)-689-0859(h), (510)-287-0732(w)

KEMP, Bruce, WB7OOE, Technician  
2615 Tybo Avenue, Reno, NV 89512  
(702)-359-9237(h)

### THE BASE STATION

*Your Contra Costa Ham Radio Headquarters*

A.E.A. Interfaces, TNCs, & Antennas  
Ameco Books, Code Keys & Oscillators  
Amphenol Coax Connectors  
Astron Regulated Power Supplies  
ARRL License Manuals, Repeater Directories  
Reference Guides  
Avanti/Antenna Specialist "On Glass" Antennas  
W5YI Study Guides & Software  
Bencher Paddles  
Ramsey Do It Yourself Kits  
Bearcat/Uniden Scanners  
Butternut Antennas

Callbooks, CD ROMs, Modification Books  
Carol/Columbia Coax Cable  
Cushcraft VHF & UHF Antennas  
Hustler Mobile Antennas  
Gordon West Books and Practice Tapes  
Larsen VHF & UHF Mobile Antennas and Mounts  
MFJ Keyers, Tuners, TNCs, Switches & Accessories  
Mirage VHF & UHF Amplifiers  
Wm. Nye Code Keys & Oscillators  
PC Electronics Amateur TV Converters & Transmitters  
Van Gordon Antennas, Insulators & Wire  
Yaesu HF, VHF & UHF Transceivers & Accessories

Antenna Masts	Copper Wire	Code+Theory Software	HT Antennas
Guy Wire	Baluns	SWR Meters	Scanner Books
Mast Bases	Magnetic Ant Bases	Ground Rods	Scanner Antennas
Wire Clamps	Trunk mounts	Coax Patch Cords	Radio Publications
Egg Insulators	Ball Mounts	Mic Plugs/Connectors	Radio Handbooks
Dog Bone Insulators	Gutter Mounts	PL-259s, BNC and "N"	Spectrum Charts
Center Insulators	Code Oscillators	Headphones	Operating Manuals

1839 East Street  
Concord, CA 94520  
(510) 685-7388

Mon - Fri, 10:00 - 5:30, Sat: 9:00 - 4:00

In downtown Concord between Willow Pass Road and Concord Blvd.





KUPETZ, Stewart, KE6VST, Technician  
2556 Comistas Drive, Walnut Creek, CA 94598  
(510)-938-4535(h)

LONDERO, George, KE6FFU, Technician  
1004 Arlington Lane, Daly City, CA 94014

MORSE, Andrew, KE6YLS, Technician  
1733 Rose Street, Berkeley, CA 94703  
(510)-527-7429(h), (510)-286-0859(w),  
(510)-527-1781(fax)

MURRY, Mark L., KE6SAJ, Technician  
5329 Paso Del Rio Way, Concord, CA 94521  
(510)-672-8760

OVERACKER, Steve, WA6HAM, Advanced  
(510)-439-1387(h), (510)-370-7604(w),  
(510)-370-7605(fx)

PETROVICH, Milan(Pete), AC6NM, Extra  
P.O. Box 1147, Brentwood, CA 94513  
(510)-634-5431(h), (510)-634-5926(w)  
(510)- 634-9517(fx)

SCOTT, Walter A, Novice  
P.O. Box 8662, Emeryville, CA 94608-9991  
(510)-534-2859

SULLIVAN, Rob, WB5FTF, Advanced  
6930 Corte Mercado, Pleasanton, CA 94566  
(510)-846-7727(h), (510)-846-8927(fx)

TATE, Gregg, WA5OQZ, Advanced  
1571 Lexington Road, Concord, CA 94520  
(510)-671-7579

Congratulations to the following on their upgrade and/or new call:

**Tim Barrett**, WD9BIV, Advanced

**Doug Faunt**, N6TQS, Advanced

**Dan Goemmel**, KQ6AR(was KE6EIP), Extra

**Pete Smith**, KQ6AS(was KD6LNV), Advanced

Please note the following changes:

**Scott Baldwin**, N6UUH, new address,  
2791-F N. Texas St.  
No. 190, Fairfield, CA 94533

## Telephone Outage—9-10 October 1995

by **Jim Brunk**, N6BHX, Central County RACES/ARES Coordinator

A large underground telephone cable in Concord sustained damage during the afternoon of Monday the 9th of October when a contractor working on the new Concord Police Administration building drilled into it. This cable supplies service to approximately 4000 customers in the Monument Boulevard area of Concord. This phone black out affected the ability of people to place emergency 911 calls and diminished the phone access to at least one fire station.

The Contra Costa County RACES/ARES organization is charged with maintaining an emergency communications capability for use by the local governments. RACES was activated by Consolidated Fire during the evening of Monday October 9th. The group was asked to provide emergency communication from 7 locations in the affected area. Over the course of the assignment, 40 operators responded in several shifts. Teams of two operators were dispatched to the Mohr Lane, Virginia Lane, Lacey Lane, Frisbee Court, Eureka Lane, Navaronne and Treat and San Miguel and Galloway areas. In addition a command post was established at the Pacific Bell maintenance yard.

The operation was mostly quiet until it concluded at 2 am Tuesday morning. There were only two incidents during the period. The first was a three alarm structure fire that occurred in the area. This was reported to the fire department by other parties as well as the radio group. The second was a suspicious group gathering in the parking lot of a restaurant. This information was relayed to the Police for investigation.

The RACES group would like to thank all the operators that responded to this event. A detailed list is attached indicating the service rendered. A special thanks should go to the Sheriff's ARC team headed by Steve Donovan, WB6SAI and Clay Yale, N6YBQ and to the personnel of Orinda Fire's Com Van 45 group headed by Bob Williams, N6UTX.

### Operator Roster

#### Fire Department Liason

WA6AGA ALAN E. NIELSEN

#### Operators with assignments

AC6EE	JACK H BUTLER
AC6MX	BERNARD A ZURLO
AH0U	BRUCE M CROSKEY
KB7BGM	ELBERT A. DAWSON
KC6TZU	PAUL W. GIRARD
KD6JSC	MICHAEL G. GARVEY
KD6ROS	WOLFGANG A. CROSKEY
KD6RZO	CHARLES E. CARMAN
KD6ZMH	LAIRD D. BEVIER
KE6OEH	CALVIN F GROOM
KE6TEI	ROBERT W PRATER
KE6VSA	JOHN A HECKLE
KT6X	RICHARD S. BROWN
KT6Y	JAY D. CALDIS
N6BHX	JAMES L. BRUNK
N6QGN	PETER J TORMEY
N6UTX	ROBERT A. WILLIAMS
N6YBQ	CLAYTON W. YALE
W6LTI	JAMES S. WHITELY
WA6CIE	LAUREN M. STYLES

## NETS

### RRRG Nets

Phone Net Thursdays 1930 Hours  
147.060/+ (100 pl)  
Net Control: Jay Caldis, KT6Y

ATV Net Thursdays 2000 Hours  
Net Control: Mike Burke, KB6RMT  
Alternate: Don Smith, W6NKF

Youth Net Thursdays 1900 Hours  
147.060/+ (100 pl)  
Net Control: Rotates

### Contra Costa County Emergency Services HF Net

First Thursday following first Wednesday, 2000 Hours,  
3.895 MHz. Net Control: Sam Lipson, KO6JR

### Contra Costa County ARES/RACES Nets

Thursdays, 1900 Hours

Central County 145.680 Simplex  
Jim Brunk, N6BHX  
(510) 372-8248

East County 146.535 Simplex  
Jim Tittle, KC6SOE  
(510) 432-3220

South County 146.355/+ (100 pl)  
Greg Nelson, WB6MBD  
(510) 933-5381

West County 145.110/-  
Jim Parker, KD6JCT  
(510) 237-2777

QSY to 147.735/- at 1920 Hours  
Meeting of all County ARES/RACES Nets

### Sheriff's Amateur Radio Communications Team

Clay Yale, N6YBQ  
(510) 228-8223

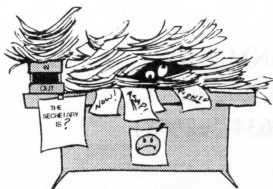
WA6GON DOUGLAS M. SMITH  
WB6HIO HARRISON O. FIELDS  
WB6SAI STEPHEN H. DONOVAN  
WD9BIV TIMOTHY P. BARRETT

### Operators with Resource Gathering Assignments

KC6SOE JAMES W. TITTLE  
KC6WYA BARRY F. WINKLER  
KE6NLV DANIEL K BRUNK  
KO6JR SAMUEL E LIPSON  
N6LGE M JEAN BRUNK  
W6NKF DONALD J. SMITH

### Operators Standing by for assignment

KA6AOR DAVID P HATCH  
KB6RMT MICHAEL J. BURKE  
KC6WXX DWAYNE E. THOMASON  
KE6ETX LAURA M WALLACE  
KE6USU RAMON F LOPEZ  
KI6RP FLETCHER A YOUNG  
KQ6AR DANIEL J GOEMMEL  
N6UGD JOHN M. BONDON  
WB6LQG JAMES W. WALLACE



## From the Editor's Desk

by Jerry Gardner, NJ6A

Thanks to all of you who've sent in articles these past few months. Without you, the *Carrier* would be much smaller and much less interesting. Please keep the articles and notes coming. The masthead on page 2 describes how to get articles to me.

Some of you have been sending articles to me via Dick, AA6DL. Please, let's try and save Dick, who's already very busy with club work, some time and effort by sending your material directly to me.

One particular class of item I'd like to see more of are letters to the editor and Op-Ed pieces. I'm sure many of you have opinions on MDARC and amateur radio affairs in general; the *Carrier* is an excellent place to express your opinion.

I'd also like to see someone with specialized knowledge of a particular facet of amateur radio write a monthly column for newcomers. I can think of many potential column subjects: ATV, APRS, antennas, public service, propagation... The list is endless.

## For Sale

Kenwood TS-440S transceiver, built-in antenna tuner, SP430, PS50, M60A. Never used phone patch plus Kenwood Mobile accessories, mike, mounts, and antennas for 10-15-20 Meter bands. All in excellent condition, little used, and perfect HF starter set. Manuals included. Original cost was \$2021, your pickup price \$975.

Walter Moser, AB6GI, Walnut Creek, (510) 256-0239.

## A Sure Sellout NEXT BIG EVENT IS CHRISTMAS PARTY 12/13

**QUESTION:** What is the next big club event?

**ANSWER:** A peek at the calendar says it will be the Christmas Party on Wednesday, December 13.

The event will be held again at Zio Fraedo's, the famed Italian restaurant in Pleasant Hill. It will feature a turkey or ham dinner with all the trimmings, a visit from Santa Claus, holiday singing and presentation of the Ham of the Year and the Kilroy Key awards, plus a couple of other recognition's for deserving club members. The Board of Directors has recommended to the membership that some club funds be used to underwrite a portion of the Christmas party.

The price of tickets for adults will be \$12.50 and children under 12 will be admitted for \$10. No tickets will be sold at the door.

Unlike previous years, Santa will not act as a courier for presents from parents to children attending the event. Instead he will have a sack with a gift for each child.

Joyce Shappee, KD6PNO, chair of the club's Social Committee, says this year's event is likely to outshine even the magnificent event of 1994. She cautioned that regulations limit space at Zio Fraedo's to 250 persons. "That means that if you are planning to attend you have to get your reservations, and check, in as early as possible or risk not being able to attend at all." Based on last year's attendance and club growth, the event is sure to be a sell-out. Ticket reservations, on the attached form, may be mailed to Bertha Roush, KE6ELP, 2116 Athene Drive, Concord, CA 94519.

Dick Schulze, AA6DL, in the 'bah humbug' of the season noted there will be 'the traditional raffle for a hand-held radio, and other items.'

The Social Committee has laid some ground rules for the event to promote a greater mix of club members. *This year there will be no "saved" or "reserved" seats at the event.* "This encourages ev-

eryone to be at the restaurant when the event begins," she said. Seating will be "open."

An "attitude adjustment" period will begin at 6:30 p.m. and dinner will be served promptly at 7:30 p.m. The event is open to all members of the Mount Diablo Amateur Radio Club including spouses (or "significant other") and children.

## Nominations wanted - Annual Awards

by Larry Gansz, KB2GV

It's that time of year again. As we look at club accomplishments, we traditionally honor a few individuals each year for their dedication and tireless commitment supporting the amateur creed. The Kilroy Key, Ham of the Year, Public Service, and other awards are given to recognize individuals or groups serving the club and community.

Ok, I know a lot of people deserve recognition. You know who they are! Please make your recommendations and comments to any board member. The November board meeting is the final approval for this year's awards. Please don't miss this opportunity! Thank you.

## The 14th Annual Mountain Challenge

by Larry Gansz, KB2GV

A benefit for Children's Hospital, Oakland, saw 775 bicyclists ride from the Athenian School to the summit of Mount Diablo. The best time was 47 min 48 sec. After most people reached the top, collected their tee shirts, drinks and snacks, enjoyed some music, sponsor demos, and awards, small groups of cyclists were allowed to descend. Once again, the descent proved the most dangerous. One of our three hams on two wheels, John, AC6LV, reported a downed rider with possible serious injuries. The Park Ranger was standing next to John, KM6QX, as the call and location came in. He had emergency vehicles on the way in seconds and CalStar provided a helo medivac within

minutes.

The crew of John, KM6QX, Drew Hanson, KD6GLY, Jerry Gardner, NJ6A, Greg Nelson, WB6MBD, Dan Young, KE6KER, Dick Schulze, AA6DL, and John McDonald, AC6LV did a great job providing communications, tracking riders, passing vital information, and generated lightning response to a serious accident.

The organizers of the race were very grateful. In their words, the crew provided outstanding service. Once again, amateur radio proved itself as cell phones did not provide the service race officials expected. Besides being an enjoyable day, the crew learned some ways to improve service for future events. Thanks to all.

## Amateur Radio on the World Wide Web

by Jerry Gardner, NJ6A

The Internet, and especially the World Wide Web, has been growing by leaps and bounds over the last few years.

Three years ago, there were only 100 Web servers on the Internet. Today there are over 30,000 with dozens more coming online every day.

Amateur radio has always had a presence on the Internet. It's no coincidence that many of the earliest Web sites were ham-related.

Here's a list of some of the better amateur radio-related Web sites I've come across in the last few months.

### NASA Sarex Program

[http://hypatia.gsfc.nasa.gov/sarex\\_mainpage.html](http://hypatia.gsfc.nasa.gov/sarex_mainpage.html)

### QRZ!

<http://www.qrz.com>

### Kenwood

<http://www.accessnv.com/kenwood/amateur.html>

### HR Showcase

<http://www.accessnv.com.hrshow>

### Amateur Electronic Supply

<http://www.exepc.com/~aesham>

### Ham Radio Outlet

<http://www.hamradio.com>



## CALENDAR OF EVENTS

November 15	7:30 pm	RRRG General Membership Meeting	Stonebrook Convalescent Center 4367 Concord Blvd., Concord
November 17	6:00 pm	MDARC VE Exams	Our Savior's Lutheran Church 1050 Carol Lane, Lafayette
November 17	8:00 pm	MDARC Meeting	Our Savior's Lutheran Church 1050 Carol Lane, Lafayette
November 20	7:30 pm	MDARC Board Meeting	Richard Schappee's House
November 24	9:00 am-Noon	Fairfield Ham Exams Dick, AB6EY, (916) 791-0268	Fairfield Senior Center 1200 Civic Drive, Fairfield Last Saturday of each Month
November 30		December Carrier Deadline	
December 6	7:30 pm	RACES Monthly Meeting	Bakers Square on Willow Pass Road 1st Wednesday every month
December 3	7:00 am-Noon	Livermore Swapmeet	Las Positas College, Livermore 1st Sunday every month
December 3	1:00 pm	Sunnyvale VEC Exams Gene Capener, WW6H, 510-254-5090	Consolidated Fire Training Center 2945 Treat Blvd., Concord 1st Sunday even months

**The Carrier**  
**Newsletter of the Mt. Diablo Amateur Radio Club**  
**P.O. Box 23222**  
**Pleasant Hill, CA 94523**



**First Class Mail**



**RRRG Meeting Nov 15**  
**MDARC Meeting Nov 17**